

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled).

Claim 2 (Currently Amended): ~~Tool~~ The tool head according to claim ~~±~~ 43, wherein ~~at least one~~ the first slide surface or the second slide surface ~~(220, 208)~~ has an inlay ~~(209)~~, which is preferably produced from a wear-resistant material.

Claim 3 (Currently Amended): ~~Tool~~ The tool head according to claim 2, wherein the inlay ~~(209)~~ is a small hard metal plate.

Claim 4 (Currently Amended): ~~Tool~~ The tool head according to claim ~~±~~ 43, wherein an inlay ~~(209)~~ is replaceably fixed in place on the adjusting device and/or on the tool holders ~~(204)~~.

Claim 5 (Currently Amended): ~~Tool~~ The tool head according to claim ~~±~~ 43, wherein the adjusting device has a conical bushing.

Claim 6 (Currently Amended): ~~Tool~~ The tool head according to claim 5, wherein the conical bushing is an adjuster ring ~~(202)~~.

Claim 7 (Currently Amended): ~~Tool~~ The tool head according to claim ~~±~~ 43, wherein ~~a planar~~ the first and second slide surfaces are planar and the second slide surface ~~(208) of the adjusting device is disposed essentially parallel to a corresponding slide surface (220) of a tool holder (204), preferably a planar slide surface (220) of a tool holder (204)~~ the first slide surface.

Claim 8 (Withdrawn): Adjuster ring for adjusting a tool holder relative to an axis of rotation, whereby the adjuster ring has a conically configured inside for forming a slide bearing half shell, wherein the conical slide bearing half shell has an at least essentially planar slide bearing region.

Claim 9 (Withdrawn): Adjuster ring according to claim 8, wherein the planar slide bearing region is attached to the adjuster ring (202) in releasable and replaceable manner.

Claim 10 (Withdrawn): Adjuster ring according to claim 8, wherein the planar slide bearing region has an inlay (209) having harder material properties than the adjuster ring (202).

Claim 11 (Withdrawn): Cutting machine, particularly a peeling machine, for machining long work pieces (217), wherein a tool head (201; 212) and/or an adjuster ring (202) according to claim 1.

Claim 12 (Withdrawn): Machine according to claim 11, having an advancing apparatus (320) having insertion rollers (304) for accelerating linear work pieces (306), particularly rods, pipes, round bars, wires, cables, and the like, along a machining axis (306) of a transport segment, in which the insertion rollers (304) are driven by means of an insertion roller shaft (301), in each instance, wherein at least one insertion roller shaft (301) is mounted eccentrically in a shaft accommodation (302).

Claim 13 (Withdrawn): Machine according to claim 12, wherein the shaft accommodation (302) is mounted to rotate about a shaft accommodation axis (313).

Claim 14 (Withdrawn): Machine according to claim 12, wherein the shaft accommodation (302) is a bearing bushing, and the bearing bushing is disposed to rotate about one of its longitudinal axes, preferably about its middle longitudinal axis, in a holding device (303).

Claim 15 (Withdrawn): Machine according to claim 12, wherein a bearing body having a bearing for the insertion roller shaft (301) is guided on a holding device, that the bearing of the insertion roller shaft performs a movement about a component axis, having a rotation component, which lies in a plane that is disposed parallel to the work piece (306) and is penetrated by the main contact pressure direction, in which the insertion roller, in each instance, acts on the work piece.

Claim 16 (Withdrawn): Machine according to claim 12, wherein the axis of rotation (330) of the insertion roller shaft (301) is disposed relative to the axis of rotation (313) of the shaft accommodation (302), in such a manner that during a rotation of the shaft accommodation (302), the axis of rotation

(330) of the insertion roller shaft (301) describes a cone (315) in the space (316).

Claim 17 (Withdrawn): Machine according to claim 16, wherein the cone (315) has a point (317) that is essentially located in an intersection (318) of the axis of rotation (330) of the insertion roller shaft (301) and a perpendicular (334) of the machining plane, preferably essentially in an intersection (318) of the axis of rotation (330) of the insertion roller shaft (301) and the machining plane.

Claim 18 (Withdrawn): Machine according to claim 12, wherein the axis of rotation (330) of the insertion roller shaft (301) and the axis of rotation (313) of the shaft accommodation (302) enclose an angle (314) with one another.

Claim 19 (Withdrawn): Machine according to claim 12, wherein the axis of rotation (313) of the shaft accommodation (302) is disposed at a slant to the perpendicular (334) of the machining axis (306) of the transport segment.

Claim 20 (Withdrawn): Machine according to claim 12, wherein the shaft accommodation (302) has a bore for accommodating an insertion roller shaft (301) and the bore is disposed at a slant to the axis of rotation (313) of the shaft accommodation (302).

Claim 21 (Withdrawn): Machine according to claim 12, wherein the shaft accommodation (302) has a bore whose entry and exit openings are at different distances from the axis of rotation (313) of the shaft accommodation (302).

Claim 22 (Withdrawn): Machine according to claim 20, wherein an opening of the bore of the shaft accommodation (302) is disposed closer to the axis of rotation (313) of the shaft accommodation (302) on the face of the shaft accommodation (302) that faces the insertion rollers (304), than an opening of the bore on the face of the shaft accommodation (302) that faces away from the insertion rollers (304).

Claim 23 (Withdrawn): Machine according to claim 12, wherein the shaft accommodation (302) has a self-locking drive.

Claim 24 (Withdrawn): Machine according to claim 23, wherein the self-locking drive has a self-locking screw gear mechanism or worm wheel gear mechanism and/or a hydraulic regulating motor.

Claim 25 (Withdrawn): Machine according to claim 12 for machining linear work pieces (22), particularly rods, pipes, round bars, wires, cables, or the like, having an advancing device (3; 103), which has an advancing apparatus (4; 104) that is separably connected with an intake guide (5; 105), wherein the advancing apparatus (4; 104) and the intake guide (5; 105) are separably connected with one another by means of at least one quick-action device.

Claim 26 (Withdrawn): Machine according to claim 25, wherein the quick-action device has at least one wedge clamp element (14).

Claim 27 (Withdrawn): Machine according to claim 12, wherein the machine has an advancing device (4; 104), an intake guide (5; 105), and a peeling machine gear mechanism (13; 113), wherein not only the advancing apparatus (4; 104) but also the

peeling machine gear mechanism (13; 113) can be separably connected with the intake guide (5; 105), independent of one another.

Claim 28 (Withdrawn): Machine according to claim 12, wherein the intake guide (5; 105) is directly and separably connected with a peeling machine gear mechanism (13; 113).

Claim 29 (Withdrawn): Machine according to claim 12, wherein the advancing apparatus (4; 104) and the intake guide (5; 105) can be displaced relative to one another, even in the installed state.

Claim 30 (Withdrawn): Machine according to claim 12, wherein a distance 29; 129) of more than 200 mm, preferably more than 500 mm, can be adjusted between the advancing apparatus (4; 104) and the intake guide (5; 105).

Claim 31 (Withdrawn): Machine according to claim 12, wherein the advancing device (4; 104) and the intake guide (5; 105) are fixed to one another releasably, by means of a bracing device (163).



Claim 32 (Withdrawn): Machine according to claim 31, wherein the bracing device (163) has at least one catch means (164, 165), one bracing element, one tie bolt and/or one index bolt (160, 161, 162).

Claim 33 (Withdrawn): Machine according to claim 25, wherein both the advancing apparatus (4; 104) and the intake guide (5; 105) are mounted displaceably along a linear guide (7; 107).

Claim 34 (Withdrawn): Machine according to claim 25, wherein the intake guide (5; 105) has a twist-resistant case (41; 141), which preferably communicates with a linear guide (7; 107) by way of runner shoes (10, 46; 108, 109, 110).

Claim 35 (Withdrawn): Machine according to claim 25, wherein the advancing apparatus (4; 104) has a twist-resistant frame (32; 132), which preferably communicates with a linear guide (7; 107) by way of runner shoes (10, 46; 108, 109, 110).

Claim 36 (Withdrawn): Machine according to claim 25, wherein the advancing device (4; 104) and/or the intake guide (5; 105) have means for displacement.

Claim 37 (Withdrawn): Machine for machining linear work pieces, particularly rods, pipes, round bars, wires, cables, or the like, comprising an advancing device according to claim 25.

Claim 38 (Withdrawn): Machine according to claim 37, wherein the entire advancing device (3; 103) or parts (4, 5; 104, 105) of it is/are separably connected with the remainder of the machine.

Claim 39 (Withdrawn): Machine according to claim 37, comprising a linear guide (7; 107) on which an advancing apparatus (4; 104) and an intake guide (5; 105) are displaceably mounted, independent of one another.

Claim 40 (Withdrawn): Machine according to claim 39, wherein the linear guide (7; 107) is configured in such a manner that a distance (30; 130) of more than 200 mm, in each instance, preferably more than 500 mm, can be adjusted between the

advancing apparatus (4; 104) or the intake guide (5; 105) and the work piece machining system.

Claim 41 (Withdrawn): Machine according to claim 37, wherein the advancing device (3; 103) or parts (4, 5; 104, 105) of it are releasably fixed on the work piece machining system by means of a bracing device (163).

Claim 42 (Withdrawn): Machine according to claim 41, wherein the bracing device (163) has at least one catch means (164, 165), one bracing element, one tie bolt and/or one index bolt (160, 161, 162).

Claim 43 (New): A tool head comprising:  
a tool holder having a first slide surface, said tool holder being radially adjustable to an axis of rotation;  
an adjusting device having a second slide surface, said adjusting device being axially adjustable along the axis of rotation;  
wherein the first slide surface is in contact with the second slide surface; and

wherein both the first slide surface and the second slide surface are planar or both the first slide surface and the second slide surface have a constant radius of curvature in an axial direction.